

Abstract

A vapor decontamination system for decontaminating a defined region. The system is comprised of a chamber defining a region, and a generator for generating vaporized hydrogen peroxide from a solution of hydrogen peroxide and water. A closed loop circulating system is provided for supplying the vaporized hydrogen peroxide to the region. A destroyer breaks down the vaporized hydrogen peroxide, and a sensor downstream from the destroyer is operable to sense moisture in the system and provide electrical signals indicative thereof. A controller determines the presence of vaporized hydrogen peroxide in the region based upon the electrical signals from the sensor.